

Converting Colors

$Y_{xy}(12.3562, 0.3684, 0.4387)$

Have a look what the booklet for
Yxy(12.3562, 0.3684, 0.4387)
contains.

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Color

Yxy(12.3200, 0.3686, 0.4379)

Conversions

Conversions Part 1	
Format	Color
Hex	616637
RGB	97, 102, 55
RGB Percent	38%, 40%, 22%
CMY	0.6196, 0.6000, 0.7844
CMYK	0.05, 0.00, 0.46, 0.60
HSL	66°, 30%, 31%
HSV	66°, 46%, 40%
XYZ	10.3703, 12.3200, 5.4440
YIQ	95.1470, 12.1070, -15.6770

Conversions

Conversions Part 2

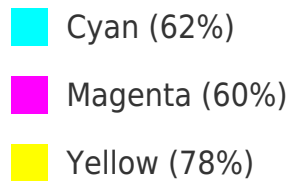
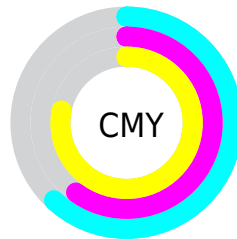
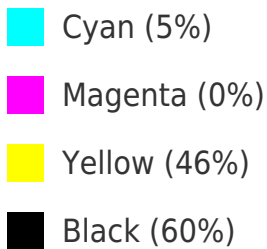
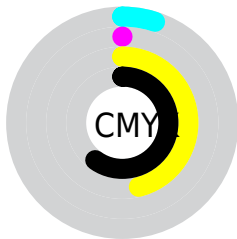
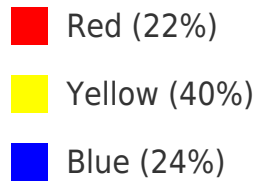
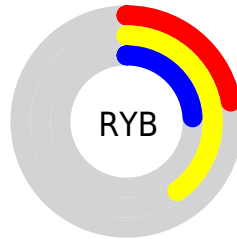
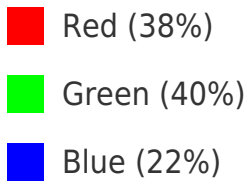
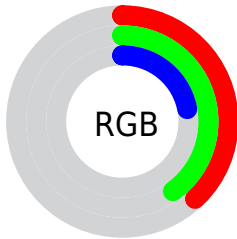
Format	Color
RYB	55, 102, 60
Decimal	6383159
CIELab	41.72, -9.87, 25.84
CIELCh	42, 27.660, 110.913
Yxy	12.3200, 0.3686, 0.4379
Android (android.graphics.Color)	4284573239 (0xFF616637)
YUV	95.1470, -19.7925, 1.6251
Hunter-Lab	35.0999, -8.6867, 15.3740

Details

The Yxy color **12.3200, 0.3686, 0.4379** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.6509, 0.2400, 0.1983**, and the grayscale version is **11.5269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1513, 0.3562, 0.4094**, and **3.4073, 0.3896, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **12.1734, 0.3788, 0.4595**, and if you desaturate by 10%, it is **12.4888, 0.3572, 0.4146**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3200, 0.3686, 0.4379 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.3200, 0.3686, 0.4379 by changing the saturation by 10% instead.


 12.3200, 0.3686,
0.4379


 12.3200, 0.3686,
0.4379


206.5124, 0.3363,
0.3708


 6.9620, 0.3776,
0.4605


 30.0766, 0.3559,
0.4096


 3.4383, 0.3892,
0.4941


 43.2440, 0.3514,
0.4002


 1.3646, 0.4232,
0.5768

 59.7833, 0.3477,
0.3928

 0.1904, 0.0000,
1.0000

 80.0789, 0.3446,
0.3867


 0.0000, 0.0000,
0.0000


 104.5152, 0.3420,
0.3817

 133.4767, 0.3398,


0.3775


167.3476, 0.3379,
0.3739


 12.3200, 0.3686,
0.4379


 12.3200, 0.3686,
0.4379


 12.1734, 0.3788,
0.4595


 12.4888, 0.3572,
0.4146


 12.0461, 0.3874,
0.4787

 12.6791, 0.3450,
0.3906


 11.9371, 0.3940,
0.4946


 12.8928, 0.3325,
0.3665


 11.8449, 0.3984,
0.5068


 13.1307, 0.3201,
0.3429

 11.7654, 0.4008,
0.5157


 13.3938, 0.3081,
0.3203

 11.7350, 0.4018,
0.5192

 13.6830, 0.2965,
0.2990

 13.9991, 0.2856,
0.2792

 14.3430, 0.2755,
0.2609

 14.7153, 0.2661,
0.2442

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.3200, 0.4143, 0.4137



12.3200, 0.3686, 0.4379



12.3200, 0.3104, 0.4281

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.3200, 0.3686, 0.4379



12.3200, 0.2054, 0.2688



12.3200, 0.3672, 0.2827

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.3200, 0.3686, 0.4379



4.6509, 0.2400, 0.1983

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.3200, 0.3057, 0.2509



12.3200, 0.3686, 0.4379



12.3200, 0.2169, 0.2407

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.3200, 0.3686, 0.4379



12.3200, 0.2185, 0.3195



12.3200, 0.2517, 0.2356



12.3200, 0.4158, 0.3253

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.3200, 0.3686, 0.4379



12.3200, 0.2726, 0.4001



12.3200, 0.2517, 0.2356



12.3200, 0.3470, 0.2706

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.3206, 0.3686, 0.4379



22.6767, 0.3304, 0.3624



6.2999, 0.4202, 0.3408



5.3349, 0.3324, 0.3662



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.3206, 0.3686, 0.4379



21.3360, 0.3793, 0.4605



11.2270, 0.3323, 0.4523



3.2539, 0.3236, 0.3495



15.0605, 0.4015, 0.5194



78.3216, 0.4004, 0.5203

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.6509, 0.2400, 0.1983



6.0884, 0.2201, 0.1644



5.5385, 0.2811, 0.2119



2.7764, 0.3013, 0.3079



1.3118, 0.1557, 0.0631



6.6428, 0.1530, 0.0617

Previews

White Background



This preview shows how the Yxy color 12.3200, 0.3686, 0.4379 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.3200, 0.3686, 0.4379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

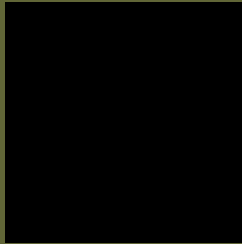
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

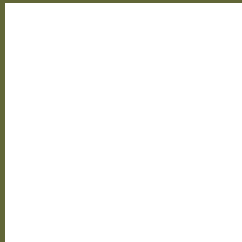
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.3200, 0.3686, 0.4379

Background



This preview shows how black text looks on a background with the Yxy color 12.3200, 0.3686, 0.4379.



This preview shows how white text looks on a background with the Yxy color 12.3200, 0.3686, 0.4379.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.3200, 0.3686, 0.4379

Protanopia

12.1899, 0.3914, 0.4253

Deuteranopia

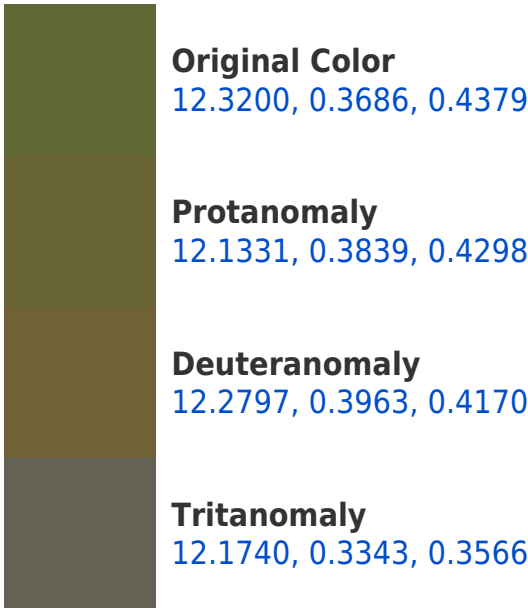
12.2939, 0.4112, 0.4048



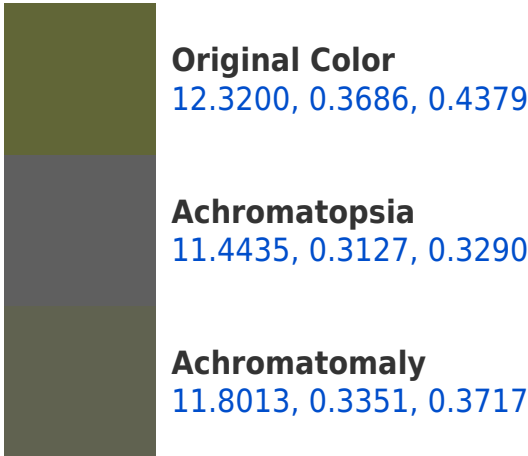
Tritanopia

12.2488, 0.3120, 0.3114

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3200, 0.3686, 0.4379 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(97, 102, 55) looks like.

```
.text, #text, p{  
    color:rgb(97, 102, 55)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(97, 102, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 102, 55) }
```

Border

The CSS property to change the border of an element to Yxy 12.3200, 0.3686, 0.4379 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 102, 55) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(97, 102, 55) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(97, 102, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 102, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 102, 55);  
box-shadow:4px 4px 4px 4px rgb(97, 102,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3200, 0.3686, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 102, 55) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(97, 102,  
55) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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